

AMENDMENTS TO THE CLAIMS

1.(currently amended): A communication network system for converting action parameters contained in policy information obtained by abstracting network-related user requirements to parameters conforming to network technology and type of network element, and setting these parameters in the network element, said system comprising:

first conversion means for converting action parameters contained in the abstracted policy information to network-technology dependent parameters; and
second conversion means for converting the network-technology dependent parameters to parameters dependent upon a type of network element and setting the converted network-technology dependent parameters in the network element,

wherein said first conversion means includes:

policy disassembling means for disassembling the abstracted policy information,
extracting the action parameters and outputting the action parameters;
conversion-rule storage means for storing conversion rules used when the action
parameters are converted to network-technology-dependent parameters; and
conversion means for selecting a conversion rule conforming to a network
technology and converting the action parameters to network-technology-dependent parameters
using the selected conversion rule.

2.(cancelled)

3.(original): The system according to claim 1, wherein said second conversion means includes:

policy enforcement means for receiving the network-technology-dependent parameters from said first conversion means and setting, in a network element, element-dependent parameters obtained by converting the network-technology-dependent parameters; conversion-rule storage means for storing conversion rules used when the network-technology-dependent parameters are converted to element-dependent parameters; and conversion means for selecting a conversion rule conforming to type of network element and converting the network-technology-dependent parameters to element-dependent parameters using the selected conversion rule.

4.(currently amended): The system according to claim 1 [[2]], wherein in said first conversion means:

 said conversion-rule storage means stores conversion rules for every network technology; and

 said conversion means selects a conversion rule based upon a network technology and converts the action parameters to network-technology-dependent parameters using the selected conversion rule.

5.(original): The system according to claim 4, wherein said conversion-rule storage means stores the following as conversion rules for converting the action parameters to network-technology-dependent parameters:

 (1) a first parameter conversion rule relating to adaptation, (2) a second parameter conversion rule relating to monitoring, and (3) a third parameter conversion rule relating to protection;

said policy disassembling means disassembles the action parameters into (1) a parameter relating to adaptation, (2) a parameter relating to monitoring and (3) a parameter relating to protection; and

 said conversion means converts each of the parameters to network-technology-dependent parameters using the first to third parameter conversion rules.

6.(currently amended): The system according to claim 1 [[2]], wherein said first conversion means has policy storing means, network-technology-dependent parameters are stored on a per-end-to-end basis in said policy storing means, and when new policy information end to end is received, network- technology-dependent parameters conforming to this policy information are created using the technology-dependent parameters that have been stored in said policy storing means.

7.(original): The system according to claim 3, wherein in said second conversion means:
 said rule-conversion storage means stores conversion rules on a per-element-type basis; and

 said conversion means selects a conversion rule based upon the type of element and converts network-technology-dependent parameters to element-dependent parameters using the selected conversion rule.

8.(original): The system according to claim 3, wherein in said second conversion means:
 said conversion-rule storage means adds on a conversion rule whenever a function of a network element is added on or changed; and

said conversion means selects a prescribed conversion rule upon taking the function of a network element or the number of versions of a network element into consideration, and converts the network-technology-dependent parameters to the element-dependent parameters using the selected conversion rule.